Amendments to the Specification:

Please amend the paragraph at page 6, line 29 to page 7, line 15 as follows:

In other words, the flow controller configured by being installed in the box-shaped housing 1 has a construction in which an operating portion including the indicator and the operation switches is disposed in the front surface of the housing 1, and the fluid entry port 2, the fluid exit port 3, and the terminal (multiway connector) for electric connection 5 are disposed on the back plate side of the housing 1. In the flow controller, there is provided a flange ~~1a~~ with a given width, which is formed in the front opening end of the housing 1 to face outward. The flange ~~1a~~ is interfitted for example in a rectangular opening portion of 48 millimeters by 48 millimeters, which is formed by punching the panel, as an attachment portion of the panel, not shown, to thereby serve to fasten the flow controller. The flow controller thus fastened to the panel is used in a state where the operating portion thereof is exposed to the front surface side. The pipe connection and the electric connection of the signal wires with respect to the flow controller are carried out on the back surface side of the panel.

Please amend the paragraph at page 8, lines 6-19 as follows:

The path block body 10 has a substantially rectangular parallelepiped shape, and forms a first path 11a running linearly from ~~a~~ one longitudinal ~~one~~ end portion thereof toward a central portion thereof. The path block body 10 has a construction in which the rectifier 12 is coaxially mounted on the opening end side of the first path 11a ~~although~~ (details ~~will be~~ described below), and the opening end is then closed with a cover 15. A portion (rectifier storage portion) in which the cylindrical rectifier 12 is fitted is formed of a hole having an internal diameter larger than an external diameter of the rectifier 12 as illustrated in FIGS. 4A and 4C, thereby forming a given space [[A]] between the rectifier storage portion and an outer circumference of the rectifier 12.

Please amend the paragraph at page 8, lines 20-32 as follows:

The fluid entry port 2 of the flow controller, which continues to the first path 11a, forms a communicating portion (path) leading to the space, and opens toward a lower surface (surface positioned at the back after installation in the housing 1) 10a of the path block body 10 as illustrated in FIG. 4A. The fluid introduced from the fluid entry port 2 is first directed into the space [[A]] formed between the rectifier storage portion and ~~in~~ the outer circumferential surface of the cylindrical rectifier 12. The fluid is then directed from the space [[A]] into the inside of the rectifier 12 through ~~an after-mentioned~~ a given gap (described below) formed between the rectifier 12 and the cover 15. After being rectified by the rectifier 12, the fluid is directed into the first path 11a.

And please amend the abstract as follows:

ABSTRACT

A path detector is constructed so that a path block body, ~~which forms (10) forming~~ a given path ~~(11)~~ and ~~having~~ which has a flow sensor ~~(13)~~ interposed in the path, ~~(11)~~ and a circuit board ~~(4) surmounted by~~ having an electric circuit mounted thereon are accommodated in a rectangular parallelepiped or cubic housing ~~(1)~~. ~~There are provided an~~ An indicator ~~(6)~~ and an operation switch ~~(7)~~ are provided in ~~the~~ a front surface portion of the housing ~~(1)~~ that is exposed ~~to the~~ at a front surface of a given panel when the housing is fixed to the panel. [[A]] The path in the path block body is U-shaped path ~~is so formed as to have~~ and has an inlet ~~(2)~~ and an outlet ~~(3)~~ in ~~the~~ a back surface portion of the housing ~~(1)~~. A terminal for external connection ~~(5)~~ of the circuit board ~~(4)~~ is also disposed in the back surface portion of the housing ~~(1)~~.